

IN THE CLAIMS

1. (Currently amended) An oligonucleotide primer ~~selected from the group~~ consisting of SEQ ID NOs: 2730.
2. (Currently amended) A pair of oligonucleotide primers, wherein said pair consists of at least one said primer of claim 1.
3. (Currently amended) A pair of oligonucleotide primers, ~~selected from the group~~ consisting of:
 - a) ~~SEQ ID NO: 30 and SEQ ID NO: 4;~~
 - b) ~~SEQ ID NO: 27 and SEQ ID NO: 4;~~
 - c) ~~SEQ ID NO: 16 and SEQ ID NO: 12;~~
 - d) ~~SEQ ID NO: 16 and SEQ ID NO: 18;~~
 - e) ~~SEQ ID NO: 17 and SEQ ID NO: 12;~~
 - f) a) SEQ ID NO: 1 and SEQ ID NO: 27;
 - g) ~~SEQ ID NO: 24 and SEQ ID NO: 25; and~~
 - h) ~~SEQ ID NO: 21 and SEQ ID NO: 4.~~
- 4-7. (Cancelled)
8. (Currently amended) A method for the detection of ~~*Colletotrichum acutatum*~~ *Cladosporium carpophilum*, comprising the steps of:
 - (a) isolating DNA from a plant tissue infected with a pathogen;
 - (b) subjecting said DNA to polymerase chain reaction amplification using at least one primer according to claim 1; and
 - (c) detecting ~~*Colletotrichum acutatum*~~ *Cladosporium carpophilum* by visualizing the product or products of said polymerase chain reaction amplification.
9. (Currently amended) The method of claim 8, wherein said fungal pathogen is ~~*Colletotrichum acutatum*, *Alternaria* spp., and *Cladosporium carpophilum*.~~

10. (Currently amended) A method for the detection of ~~*Colletotrichum acutatum*~~
Cladosporium carpophilum, comprising the steps of:

- (a) isolating DNA from a plant tissue infected with ~~*Colletotrichum acutatum*~~
Cladosporium carpophilum;
- (b) amplifying a part of the Internal Transcribed Spacer sequence of
~~*Colletotrichum acutatum*~~ *Cladosporium carpophilum* using said DNA as a
template in a polymerase chain reaction with a pair of primers according
to claim 2; and
- (c) detecting ~~*Colletotrichum acutatum*~~*Cladosporium carpophilum* by
visualizing the amplified part of the Internal Transcribed Spacer sequence.

11. (Currently amended) The method of claim 10, wherein said fungal pathogen is
~~*Colletotrichum acutatum*, *Alternaria* spp., and *Cladosporium carpophilum*~~.

12. (Original) The method of claim 10, wherein said pair of primers is according to claim
3.

13-16. (Cancelled)

17. (Original) A diagnostic kit used in detecting a fungal pathogen, comprising the
primer of claim 1.

18. (Original) A diagnostic kit used in detecting a fungal pathogen, comprising the pair of
primers of claim 2.

19. (Original) A diagnostic kit used in detecting a fungal pathogen, comprising the pair of
primers of claim 3.

20-46. (Cancelled)